

## REMARKS

### Status of the Claims

Claims 1-7 are pending in this application, the independent claims being claims 1 and 5. By this Amendment, claims 1, 5 and 6 are amended.

### Summary of Official Action

In the Official Action, claims 1 and 4-7 were rejected under 35 U.S.C. 102(b), as anticipated by U.S. Patent No. 6,195,209 (Kreitzer).

Reconsideration and withdrawal of the rejection respectfully are requested in view of the above amendments and the following remarks.

### Examiner Telephone Interview

In a telephone interview on August 1, 2005, the Examiner confirmed that claims 2 and 3 are indicated as allowable (objected to as depending from a rejected base claim), and that claims 6 and 7 are rejected under 35 U.S.C. 102(b) for the reasons set forth in the Official Action. Applicants' attorney gratefully acknowledges the courtesies extended to him by the Examiner in the telephone communication.

### Allowable Subject Matter

Initially, Applicants gratefully acknowledge the Examiner's indication that the application contains allowable subject matter, and that claims 2 and 3 are allowable over the prior art.

### Claim Amendments

The rejection of the claims over the cited art respectfully is traversed. Nevertheless, without conceding the propriety of the rejection, claims 1, 5 and 6 have been amended more clearly to recite various novel features of the claimed invention, with particular attention to the Examiner's comments. Support for the proposed amendments may be found in the original disclosure. No new matter has been added. Moreover, Applicants submit that the

claim amendments merely clarify the claim language and are not presented to overcome the cited art; the amendments merely are formal in nature and do not narrow the scope of the claims.

### **Claimed Invention**

The present invention relates to a novel projector and method of correcting uneven color of a projector that forms a projected image corresponding to an image signal on a screen by a projection lens having a zoom function.

In one aspect, as recited in claim 1, the claimed invention relates to a projector for use with a screen, comprising a projection lens having a zoom function that forms a projected image, corresponding to an image signal, on the screen, a zoom state detection section that detects a zoom state of the projection lens, and an uneven color correction section that performs uneven color correction *on the image signal* based on the zoom state detected by said zoom state detection section.

In a similar aspect, as recited in independent claim 5, the claimed invention relates to a method of correcting uneven color of a projector that forms a projected image corresponding to an image signal on a screen by a projection lens having a zoom function. The method comprises detecting a zoom state of the projection lens, and performing uneven color correction *on the image signal* in accordance with the detected zoom state of the projection lens.

In each of these aspects, the claimed invention relates to performing uneven color correction *on an image signal* in accordance with the detected zoom state of the projection lens.

### **Prior Art Distinguished**

Applicants submit that the prior art fails to anticipate the claimed invention. Moreover, Applicants submit that there are differences between the subject matter sought to

be patented and the prior art, such that the subject matter taken as a whole would not have been obvious to one of ordinary skill in the art at the time the invention was made.

**The Kreitzer '209 patent** relates to projection lenses having reduced lateral color for use with pixelized panels, and discloses a projection lens having a zoom function. However, Applicants submit that the Kreitzer '209 patent fails to disclose or suggest at least the above-discussed features of the claimed invention. Specifically, Applicants submit that the Kreitzer '209 patent fails to disclose or suggest at least the features of a zoom state detection section that detects a zoom state of the projection lens, and an uneven color correction section that performs uneven color correction *on an image signal* based on the detected zoom state, as disclosed in the present application and recited in claims 1 and 5. Rather, the Kreitzer '209 patent merely discloses a projection lens including lens elements having V-values and Q-values selected so that the projection lens can simultaneously have (1) a high level of lateral color correction, (2) low distortion, (3) a large field of view, (4) a telecentric entrance pupil and (5) a relatively long back focal length. Nowhere does the Kreitzer '209 patent disclose or suggest correcting *an image signal* for uneven color correction.

For the above reasons, Applicants submit claims 1 and 5 are allowable over the cited art.

Claims 2-4 and 7 depend from claims 1 and 5, respectively, and are believed allowable for the same reasons. Moreover, each of these dependent claims recites additional features in combination with the features of its respective base claim and is believed allowable in its own right. Individual consideration of the dependent claims respectfully is requested.

### **Conclusion**

Applicants believe that the present Amendment is responsive to each of the points raised by the Examiner in the Official Action, and submit that the application is in condition

for allowance. Favorable consideration of the claims and passage to issue of the application at the Examiner's earliest convenience earnestly are solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,

James A. Oliff  
Registration No. 27,075

Christopher Philip Wrist  
Registration No. 32,078

JAO:CPW/amw

Date: October 14, 2005

**OLIFF & BERRIDGE, PLC**  
**P.O. Box 19928**  
**Alexandria, Virginia 22320**  
**Telephone: (703) 836-6400**

**DEPOSIT ACCOUNT USE  
AUTHORIZATION**

Please grant any extension  
necessary for entry;  
Charge any fee due to our  
Deposit Account No. 15-0461